

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	"20060232531" and and active same matrix and cholesteric	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/28 17:52
L2	2	"20050083284"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/28 17:19
L3	2	"7,164,406".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/28 18:11
L4	617	driv\$6 same active same matrix and cholesteric and (iquid same crystal same display or LCD)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/28 17:21
L5	920	driv\$6 and active same matrix and cholesteric and (iquid same crystal same display or LCD)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/28 17:22
L6	10	driv\$6 and active same matrix and cholesteric and (iquid same crystal same display or LCD) and plural\$6 same gray\$6 same levels	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/28 17:59
L7	1	"20060232531" and active same matrix and cholesteric	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/28 18:20
L8	10	driv\$6 and active same matrix and cholesteric same (iquid same crystal same display or LCD) and plural\$6 same gray\$6 same levels	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/28 17:59

## EAST Search History

L8	10	active same matrix and cholesteric same (iquid same crystal same display or LCD) and plural\$6 same gray\$6 same levels	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/28 18:08
L9	9	active same matrix and cholesteric adj (iquid same crystal same display or LCD) and plural\$6 same gray\$6 same levels	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/28 18:00
L10	9	active adj matrix and cholesteric adj (iquid same crystal same display or LCD) and plural\$6 same gray\$6 same levels	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/28 18:04
L11	2	active adj matrix adj cholesteric adj (iquid same crystal same display or LCD)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/28 18:01
L12	2	active adj matrix adj cholesteric adj (iquid same crystal same display or LCD)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/28 18:01
L13	34	active adj matrix and cholesteric adj (iquid same crystal same display or LCD)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/28 18:04
L14	10	active same matrix and cholesteric same (iquid same crystal same display or LCD) same bistable and plural\$6 same gray\$6 same levels	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/28 18:08
L15	0	"7,164,406".pn. and cholesteric same (iquid same crystal same display or LCD) same bistable	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/28 18:12

## EAST Search History

L16	0	"7,164,406".pn. and (iquid same crystal same display or LCD) same bistable	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/28 18:11
L17	0	"7,164,406".pn. and cholesteric same (iquid same crystal same display or LCD)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/28 18:12
L18	1	"20060232531" and pixel\$1 and three	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/28 18:20

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	267	active same matrix same cholesteric same liquid same crystal same display	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/07 10:20
S2	306	active same matrix same cholesteric same (liquid same crystal same display or LCD)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 17:24
S3	1	active same matrix same cholesteric same (liquid same crystal same display or LCD) and array same pixels same produc\$6 same gray\$6 same level\$6 same plural\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 17:27
S4	1	active same matrix same cholesteric same (liquid same crystal same display or LCD) and array same pixels and produc\$6 same gray\$6 same level\$6 same plural\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 17:28
S5	1	active same matrix same cholesteric same (liquid same crystal same display or LCD) and produc\$6 same gray\$6 same level\$6 same plural\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 17:26
S6	1	active same matrix same cholesteric same (liquid same crystal same display or LCD) and array same pixels and produc\$6 and gray\$6 same level\$6 same plural\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 17:27
S7	1	active same matrix same cholesteric same (liquid same crystal same display or LCD) and array and pixels and produc\$6 and gray\$6 same level\$6 same plural\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 17:27
S8	1	active same matrix same cholesteric same (liquid same crystal same display or LCD) and array same pixels same produc\$6 same gray\$6 same level\$6 and plural\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 17:27
S9	10	active same matrix same cholesteric same (liquid same crystal same display or LCD) and array and pixels and produc\$6 and gray\$6 same level\$6 and plural\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 17:27

## EAST Search History

S10	1	active same, matrix same cholesteric same (liquid same crystal same display or LCD) and array same pixels and produc\$6 same gray\$6 same level\$6 and plural\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 17:28
S11	0	active same matrix same cholesteric same (liquid same crystal same display or LCD) and array same pixels and produc\$6 same gray\$6 same scal\$6 and plural\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 17:29
S12	23	active same matrix same cholesteric same (liquid same crystal same display or LCD) and array same pixels and produc\$6 and gray\$6 same scal\$6 and plural\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 17:29
S13	24	active same matrix same cholesteric same (liquid same crystal same display or LCD) and array same pixels and produc\$6 and gray\$6 same (scal\$6 or level\$6) and plural\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 17:30
S14	1	active same matrix same cholesteric same (liquid same crystal same display or LCD) and array same pixels and produc\$6 same gray\$6 same (scal\$6 or level\$6) and plural\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 17:30
S15	18	active same matrix same cholesteric same (liquid same crystal same display or LCD) and array same pixels and produc\$6 and gray\$6 same (scal\$6 or level\$6) and plural\$6 and "345"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/07 09:31
S16	16	(active adj matrix) same cholesteric same (liquid same crystal same display or LCD) and array same pixels and produc\$6 and gray\$6 same (scal\$6 or level\$6) and plural\$6 and "345"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/07 10:26
S17	2	"20050083284"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/07 10:13
S18	1	"20050083284" and writ\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/07 10:15

## EAST Search History

S19	1	"20050083284" and writ\$6 same pixel\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/07 11:00
S20	0	"20050083284" and duty same cycle	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/07 10:20
S21	0	active same matrix same cholesteric same liquid same crystal same display and duty same cylce	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/07 10:21
S22	14	active same matrix same cholesteric same liquid same crystal same display and duty same cycle	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/07 10:21
S23	2	active same matrix same cholesteric same liquid same crystal same display and duty same cycle same control\$6 same gray\$6 same (scale\$6 or level\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/07 10:22
S24	2	active same matrix same cholesteric same liquid same crystal same display and (duty same cycle and control\$6 same gray\$6 same (scale\$6 or level\$6))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/07 10:23
S25	61	active same matrix same liquid same crystal same display and (duty same cycle and control\$6 same gray\$6 same (scale\$6 or level\$6))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/15 20:10
S26	58	active adj matrix same (liquid adj crystal adj display or LCD) and (duty same cycle and control\$6 same gray\$6 same (scale\$6 or level\$6))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/07 10:24
S27	22	active adj matrix same (liquid adj crystal adj display or LCD) and (duty same cycle same control\$6 same gray\$6 same (scale\$6 or level\$6))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/07 10:24

## EAST Search History

S28	7	(active adj matrix) same cholesteric same (liquid same crystal same display or LCD) and array same pixels and produc\$6 and gray\$6 same (scal\$6 or level\$6) and plural\$6 and (FRC or frame same rate same control)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/07 10:27
S29	0	"20050083284" and common	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/07 11:00
S30	1	"20050083284" and electrode and (gnd or ground)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/07 11:03
S31	1	"20050083284" and electrode and (gnd or ground or no same voltage)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/07 11:03
S32	6	active same matrix same liquid same crystal same display and (duty same cycle and control\$6 same gray\$6 same (scale\$6 or level\$6)) and three same pixel\$1 same voltage\$1 same level\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/15 20:14
S33	254	active same matrix same liquid same crystal same display and pixel\$1 same voltage\$1 same three same level\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/15 20:14
S34	0	active same matrix same liquid same crystal same display and pixel\$1 adj voltage\$1 adj three adj level\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/15 20:15
S35	3	active same matrix same liquid same crystal same display and (pixel\$1 adj voltage\$1) same (three adj level\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/15 20:15